

124. The method of claim 123, wherein continuing to transmit traffic and control signals to said mobile station from said first base station includes continuing to send power control commands to said mobile station from said first base station to continue controlling a transmit power of said mobile station from said first base station at least until said new connection is established at said second base station.

m2 125. The method of claim 122, wherein establishing a new connection for said mobile station at said second base station comprises beginning transmissions from said second base station, transmitting a command from said first base station to said mobile station directing said mobile station to begin receiving said transmissions from said second base station, receiving signal strength reports from said mobile station at said first base station indicating a signal strength of said transmissions from said second base station, and transferring control of said mobile station to said second base station after said signal strength of said transmissions is sufficient.

REMARKS

The applicant has made a concerted effort to present a clean claim set that facilitates advancement of the instant application on the merits. As noted, the amended and newly added claims above are consistent in scope with the examiner's grouping of subject matter in his earlier restriction requirement. Given the long pendency of the instant application, the applicant wishes to avoid unnecessary delays in advancing this matter on the merits. Thus, if the examiner has any concerns, he is respectfully requested to call the undersigned agent for quick resolution of any such concerns.

Respectfully submitted,

COATS & BENNETT, P.L.L.C.

By:



Michael D. Murphy

Registration No. 44,958

P.O. Box 5

Raleigh, NC 27602

Telephone: (919) 854-1844

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS DOCUMENT IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE, ON THE DATE INDICATED, AS FIRST CLASS MAIL, POSTAGE PREPAID, IN AN ENVELOPE ADDRESSED TO: **COMMISSIONER FOR PATENTS, BOX NON-FEE AMENDMENT, WASHINGTON, D.C. 20231**

Signature: _____



Date: _____

3-19-03

AMENDMENTS WITH VERSION MARKINGS

102. (Amended) A method of mobile-assisted handover in a wireless network [communicating with a plurality of mobile stations] comprising:

communicating with a mobile station from a first base station;

receiving, at [by] a network controller, [from] one or more data [base stations,] messages

sent from said mobile station to said first base station that indicate relative

[including] signal strengths of at least a second base station operating on a same

frequency as said first base station [measurements from said plurality of mobile stations];

[analyzing, by said network controller, said signal strength reports;]

determining [making a determination], by said network controller, to hand[off]over said

[communication with a given] mobile station from [a] said first base station to [a]

said second base station based on said signal strengths[,]; and

[sending, by said network controller, a command to said second base station to begin

transmitting a signal for said given target mobile station] handing over said

mobile station from said first base station to said second base station based on

said determination by said network controller.